Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/25/2021 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125084	0	2.65	125255	2.66
Blue	F	SSC	125000	123054	-2	3.69	123941	3.60
Blue	E	FITC	14203	13771	-4	2.99	298	15.39
Blue	D	PE	25703	25311	-2	2.62	546	10.70
Blue	B	PerCP-Cy5-5	42104	41637	-2	3.40	930	14.38
Blue	A	PE-Cy7	34646	34113	-2	4.62	493	29.23
Red	C	APC	49824	49158	-2	2.97	1507	11.31
Red	A	APC-Cy7	39773	38650	-3	3.03	729	11.44
Violet	B	V450	7447	7177	-4	3.69	420	12.08
Violet	A	V500	31193	30325	-3	3.49	696	9.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21315	2.70	546	-10	N/A	N/A	Pass
Blue	F	SSC	54611	2.79	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	53.22	482	-4	0.0397	86	Pass
Blue	D	PE	109	38.02	484	-1	0.3766	269	Pass
Blue	B	PerCP-Cy5-5	180	35.91	576	-1	0.0205	102	Pass
Blue	A	PE-Cy7	114	62.23	619	-1	0.0216	0	Pass
Red	C	APC	352	23.70	567	0	0.0285	102	Pass
Red	A	APC-Cy7	202	23.69	542	-2	0.0065	532	Pass
Violet	B	V450	90	39.20	448	-1	0.0456	1295	Pass
Violet	A	V500	120	29.40	466	-1	0.0258	758	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.43	1.04
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	21.20	15.99 - 23.99	N/A	N/A	29.83	30.09	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12283

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments